

UNITED STATES PATENT AND TRADEMARK OFFICE CERTIFICATE OF CORRECTION

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PATENT NO. : 7,672,447 B2

APPLICATION NO. : 09/584,796

ISSUE DATE : March 2, 2010

INVENTOR(S) : Lindqvist, et al.

It is certified that an error appears or errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

On Page 2, in Field (56), under "OTHER PUBLICATIONS", in Column 1, Line 8, delete "Enchede," and insert -- Enschede --, therefore.

In Fig. 7, Sheet 5 of 8, for Tag "104", Line 1, delete "V_i," and insert -- V_i --, therefore.

In Column 1, Line 43, delete "General" and insert -- Generally --, therefore.

In Column 2, Line 52, delete "symbols." and insert -- symbol. --, therefore.

In Column 2, Line 53, after "is" insert -- (L+N) --.

In Column 5, Line 33, delete "of" and insert -- for --, therefore.

In Column 5, Line 51, in Equation (1), delete " $X_i=[X_i(0), X_i(1),$ " and insert -- $X_i=[X_i(0), X_i(1),$ --, therefore.

In Column 6, Line 2, delete "receiving" and insert -- received --, therefore.

In Column 6, Line 10, in Equation (4), delete " $x_i=QX_i$ " and insert -- $s_i=QX_i$ --, therefore.

In Column 7, Line 9, delete "N×I)" and insert -- N×1) --, therefore.

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In Column 9, Line 10, delete " $E_i = Y_i = \hat{Y}_i$," and insert - - $E_i = Y_i - \hat{Y}_i$ - -, therefor.

In Column 9, Line 57, delete "Ximag,i" and insert - - Ximag,i - -, therefor.

In Column 9, Line 60, Equation (24), delete "(N/2)]" and insert - - (N/2)]^T - -, therefor.

In Column 10, Line 25, after "further" insert - - defined - -.

In Column 10, Line 26, delete "N-1" and insert - - L-1 - -, therefor.

In Column 11, Line 42, in Equation (40), delete " $\hat{Y}_i = V \cdot X_i + Z_i(X_i - \bar{X}_{i-1})$," and insert - - $\hat{Y}_i = V_i \bullet X_i + Z_i(X_i - \bar{X}_{i-1})$ - -, therefor.

In Column 11, Line 63, in Equation (43), delete " $Z_{i+1}Z_i + \mu E_i(X_i^* - \bar{X}_{i-1}^*)^T$," and insert - - $Z_{i+1} = Z_i + \mu E_i(X_i^* - \bar{X}_{i-1}^*)^T$ - -, therefor.

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In Column 13, above Equation 47,
insert - - $\mathbf{V}_{i+1} = \mathbf{V}_i + \mu \mathbf{E}_i \bullet (\mathbf{X}rep_i^*)^T$ (46) - - ,

In Column 13, Line 5, Equation (47), delete $V_{i+1} = V_i + \mu E_i (X_i^* - \bar{X}_{i-1}^*)^T$, and
insert - - $\mathbf{Z}_{i+1} = \mathbf{Z}_i + \mu \mathbf{E}_i (\mathbf{X}_i^* - \bar{\mathbf{X}}_{i-1}^*)^T$ - - , therefor.

In Column 13, Line 37, delete “{(V_i:x_i)₁q}” and insert - - {(V_i:x_i)₁q} - - , therefor.

In Column 13, Line 51, in Equation (51), delete $Z_{i+1} = Z_i + \mu Erep_i (X_i^* - \bar{X}_{i-1}^*)^T$, and
insert - - $\mathbf{Z}_{i+1} = \mathbf{Z}_i + \mu \mathbf{E}rep_i (\mathbf{X}_i^* - \bar{\mathbf{X}}_{i-1}^*)^T$ - - , therefor.

In Column 14, Line 43, delete “(29).” and insert - - (39). - - , therefor.

In Column 16, Line 59, in Claim 17, after “remove” insert - - the transformed estimate - - .

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